

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: 7360
Message-ID: <199604261308.IAA02781@dlep1.itg.ti.com>

At 06:22 PM 4/25/96 -0500, Bob Nichols wrote:

>

>I think National did this for the NCX-5. I know I have a little metal box
>full of sand where the 7360 used to be...and I think this is what made it a
>"Mk II" model.

>

>I'll try to dig up the circuit if interested...

I'd be very interested, Bob. I've got several pieces of equipment using the
7360 and the \$40+ price AES charges for 7360's scares me just a little.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>
Subject: 7360's
Message-ID: <9604261224.aa12237@FSAC3.PICA.ARMY.MIL>

I got lots of stuff that use 7360's and enough tubes to keep them
going....If yyou want to get rid of the tubes you can
use SBL-1 double balanced mixers from Minicircuits or the
MC1496 chip made by Motorola and others....granted you will
lose the 100% tube rating of your rig..but you will be on the air
and never feel that someone is sticking you up for the price
of a 7360....

Clark Fishman WA2UNN cfishman@pica.army.mil

Yes I have a sweet tooth for Squires Sanders SS1-R receivers

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: active antenna
Message-ID: <Pine.ULT.3.91.960426164833.11850A-100000@admin.aurora.edu>

I believe I have mailed copies of the active antenna circuit to everyone that requested it. If you don't see it in a week, send me another E-mail.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: rmccarty@deltanet.com (Roger McCarty)
Subject: addendum; thinning out. Pse read
Message-ID: <9604261622.AA17833@server1.deltanet.com>

Those responding to my ad please do not use the "Reply" function on your mailer, as it ties up bandwidth @theporch.com. Instead, pull my E-mail address from the header and respond directly.
Thanks

Roger KD6CC Riverside, CA
rmccarty@deltanet.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: ADMINISTRIVIA: New Files added to Archive
Message-ID: <9604261616.aa24264@jackatak.theporch.com>

Gang-

Thanks to the efforts of John Michaels, we have two new files in the archive for email downloading...

They are both related to places where John has encountered either personally, or through friends, BoatAnchor and Electronic "Haunts" in North America and Europe.

A quick skimming of the lists showed some places I knew about, and MANY I had no idea even existed, including one in driving distance! ;^)

The two files are:

BA.haunts.Europe
and
BA.haunts.N.America

To retrieve these files, either connect to the ftp site at
theporch.com
or
send an email to:

listproc@theporch.com

(NOTE the address, PLEASE do NOT send requests to the list address!)

and in the body, simply type:

get boatanchors BA.haunts.N.America
and/or
get BA.haunts.Europe

and while you are there, for a list of everything available, type:
index boatanchors

and end the message...

Enjoy. I did! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

listown@jackatak.theporch.com ---- firebotl@jackatak.theporch.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996

From: Bob Roehrig <broehrig@admin.aurora.edu>

Subject: aircraft / ARC-5 operation questions

Message-ID: <Pine.ULT.3.91.960426193246.16326B-1000000@admin.aurora.edu>

I was just thinking about the use of the Command sets in the WW2
aircraft and a few questions come to mind that I'll bet someone
can answer.

1) I assume the antenna used was a "long" wire on top of the aircraft.
How long was it?

2) If the rigs were remote controlled (as it appears that they all were),
then how was antenna tuning done as that was not remote controlled

since the transmitters have a thumb-wheel roller inductor?

3) Was there any capacitance in the antenna lead (like to ground to form a "L" network) or just the built-in roller inductor as the only part of the antenna tuning circuit?

With my first Command TX (on 40 meters) years ago, I used about 15 feet of wire in the basement as an antenna and had a 365pf variable cap from the antenna post to ground. My tuning indicator was a neon bulb, and that set really got out.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: Re: aircraft / ARC-5 operation questions
Message-ID: <199604270136.SAA26582@dfw-ix4.ix.netcom.com>

You wrote:

>1) I assume the antenna used was a "long" wire on top
>of the aircraft. How long was it?
This varied from plane to plane. Typically, a wire was strung from a fuselage "mast" back to the top of the tail. This wire was fed as an inverted "L" or an off-center fed "T". Only early LF-MF navigation receivers used a center-fed "T". Thus, the length could vary from 15-50 feet, depending on the aircraft. For example, a twin-tailed aircraft might have a twin inverted "L".

>2) If the rigs were remote controlled...
>then how was antenna tuning done
>as that was not remote controlled since the
>transmitters have a thumb-wheel roller inductor?
All frequencies for use during a mission were assigned the night before the flight. Each aircraft's radioman checked his BC-221 (SCR-211) against the common base freq standard and hauled it out to his plane. The radios were tuned-up on the ground.

Freqs were not commonly changed in the Command radios during a mission. Pilots could tune the radios to compensate for any frequency drift (which was bound to happen to at least a few planes over an 8 or 16 hour mission) or on special occasions. Pilots retuned their receivers only rarely.

Navy AN/ARC-5 Command Set units were improved to minimize frequency drift, and their receivers were often "lock-tuned"--that is, set on the ground with no remote tuning capability. This is why the late-war standard C-38-style control head had no tuning handle.

>3) Was there any capacitance in the antenna lead...
>or just the built-in roller inductor as the only
>part of the antenna tuning circuit?

The BC-442 Army or RE-2 Navy antenna switches, which were external to the transmitters, contained a 50pfd vacuum cap that could be placed in series with the antenna, shunted to ground or left out of the circuit entirely. This helped the set match a broad range of antennas.

Two important notes: The proper way to feed a 50-ohm, coax-fed antenna from a Command Set transmitter is with the 50pfd cap in series with the antenna lead. If you don't have a switch, any good quality high-voltage 50-puff will work. Also, the BC-422-AM switch was not supplied with this cap, even though the mounting holes are present.

73 and hope to hear you on the air.
Dave Stinson AB5S/7
arc5@ix.netcom.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: mack@mails.imed.com
Subject: BA Get together at Hamcom?
Message-ID: <9603268305.AA830562303@mails.imed.com>

After the posts on the Belton Hamfest report, I got to thinking about our next chance to get together. The next big BA opportunity is at Hamcom in Dallas the weekend of June 7,8,9.

Does anyone have any ideas for those interested getting together and swapping lies and meeting each other face to face? Short of getting a hospitality room for ourselves is there some other way for us to get together after Saturday's festivities? Perhaps we could meet in one corner of an ARRL room if there is such a thing. I still haven't met Al and Phil face to face and they live less than 3 miles from me!

Ray Mack
WD5IFS
mack@mails.imed.com
Friendswood (Houston), TX

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: Balanced Transmission Lines, Grounding, & End-Fed Zepps
Message-ID: <Pine.GS0.3.92.960426184522.19671F-100000@iglou2>

Of course we are talking about grounding boatanchors here.

> Wide flat cable, either braid or strip, has less inductance than round
> wire of the same total volume per linear foot. Copper flashing is an
> excellent material and is likely more easily obtained than large braid.
> As someone else noted, braid is subject to more corrosion problems too.

Less inductance but more capacitance to nearby objects. All that
accomplishes is changing the resonant freq of your ground wire.

> I suspect part of what Steve was seeing is a near-field phenomenon that
> decays quickly as the distance from the feedline is increased. It does

Well it was certainly near, about 2 feet. Funny thing though, I got the
same reading on the fs meter when moved near the antenna. We have to hope
that the near field of the other leg in the feeder will cancel out the
opposite leg's field I suppose.

Lets assume we have lip burning RF on our microphone. We run a wire to a
ground rod and it goes away. Where did the RF go? Did it slide down the
wire to the rod and forever sleep in the dirt one day to be discovered by
future archeoloigst? Naw! All we did was add a bit more antenna on the
chassis side of the rig and move the voltage loop to another point. Some
poor worm is now taking it in the chin.

Tried a ground and still got bit eh? Well your ground is just the wrong
length for the freq. you are operating on. Yes, a longer ground wire may
even be better than a short one! You just gotta move that voltage outta
the shack. Sad part is, that ground wire is now part of your antenna
system and radiates to places you don't want. Like your house wiring,
cable tv and bathtub. This is how we get tvi, rfi etc....

Again I say. The only proper way to do things is to keep the antenna and
feeder balanced. Then all of your RF radiation will be up there on that
antenna, not on your house wiring and ground system.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
 From: Bob Roehrig <broehrig@admin.aurora.edu>
 Subject: Re: Balanced Transmission Lines, Grounding, & End-Fed Zepps
 Message-ID: <Pine.ULT.3.91.960426192645.16326A-100000@admin.aurora.edu>

On Fri, 26 Apr 1996, Steve Ellington wrote:

> Lets assume we have lip burning RF on our microphone. We run a wire to a
 > ground rod and it goes away. Where did the RF go? Did it slide down the
 > wire to the rod and forever sleep in the dirt one day to be discovered by
 > future archeoloigst? Naw! All we did was add a bit more antenna on the
 > chassis side of the rig and move the voltage loop to another point. Some
 > poor worm is now taking it in the chin.
 >
 > Tried a ground and still got bit eh? Well your ground is just the wrong
 > length for the freq. you are operating on. Yes, a longer ground wire may
 > even be better than a short one! You just gotta move that voltage outta
 > the shack.

Speaking of moving the high voltage point out of the shack, has anyone here tried one of those "artificial ground" tuners? I have an MFJ but have not used it yet (I plan to when I go portable with a simple end fed wire antenna). Actually, one of my favorite tuners uses the same circuit - L and C in series. In fact the BIG tuner for the BC-610 used the same thing, so that series circuit is certainly not new.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
 CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
 From: "Richard L. Duell" <rduell@iac.net>
 Subject: BAs I Have Never Seen
 Message-ID: <3180FFC6.21F0@iac.net>

I was browsing an WRL catalog from 1958 tonight and realized that in all my years of hamfesting and swapping, there are several pieces I don't ever recall seeing, let alone owning. Such as:

The Palco Bantam 65A Transmitter
The "Black Widow" Transceiver
The Harristahl model NE-6 Transmitter

Did anyone actually buy any these? Anyone have one? They have to be rare.

And as an opposite side to the Weak BA thread, I don't think I've ever owned any piece of equipment more solid than the B&W 5100 I had. Built like a tank. That and my 75A4. Talk about Hog Heaven in 1959! Of course my memory and the sheer joy of owning equipment I only dreamed about when I got my first SWL receiver (a \$1 buy my Dad made at an auction) may have glossed over any faults it had.

73, Rich - W5VDU

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>
Subject: Re: BC-348 parts wanted
Message-ID: <9604252113.aa08324@jackatak.theporch.com>

Hi Gang-

This came to me from an old hand from way long ago... he has been away for quite a while, but needs a hand, and as a long time BoatAnchor fan I thought I would forward this along to the list and see if ya'll can help Carl out...

-----8><-----snip here-----
Greetings!

It's been a while...

Could you post the note below to the list for me? Maybe I can find the parts I need from one of the team!

--

Greetings Team,

Its been a long time since I checked in... I recently bought a BC-348R. It is missing its dataplate, and I need 3 of the round front panel knobs as well. Might anyone on the list have a parts unit that I could buy these parts off of?

Perhaps someone who has the ER parts rig list could look on it and see if there is a -348 parts unit on there. I would prefer a "Q" or "R" data plate, but a "J" or "N" would be an OK 2nd choice.

Thanks, and 73

Carl P. Gottsmann - kn6al@ecst.csuchico.edu

P.S. I'd also like to find a clean ART-13 to pair up with the BC-348.
Anyone having one FS, pse e-mail me. Tnx.

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: Belton report
Message-ID: <9604261915.AA01067@taku>

----- Begin Included Message -----

From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Belton report

I told my wife and daughter about my finds and then showed them the R-390A.
My wife responded with the usual "Oh, that's it?," and my six-year-old
daughter responded with her usual "That's cool, can I tune it?".

----- End Included Message -----

Ham rigs are like the Three Stooges. If you're not lucky
enough to have a wife who appreciates them, no amount
of explaining or history lessons will work. Bless the ones
who do appreciate them, though!

(and send one my way)
73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Belton Tube Bargains
Message-ID: <199604261616.LAA21937@dlep1.itg.ti.com>

Greetings,

At Belton last weekend I, too, purchased some of the \$3 bags of tubes.
After testing on my Hickok 600A, my \$5 investment has netted the following:
2-5U4's, 2-5Y3's, 5T4, 5R4, 5V4, 6X4, 2-6V6's, 2-6F6's, 6-6SJ7's, 6SC7's,
6SN7's, 6SL7's along with lots of others, probably over 50 tubes altogether.

I was especially pleased to get the rectifiers and 6V6's.

I was quite surprised that all the tubes were good. I tested about half of them and never found a bad one, or even one that indicated in the "weak" region. I'm a happy tube camper. ;-)

BTW, there was a bag of perhaps a dozen 6E5 magic eye tubes for, I believe, \$5. If only I'd needed some. (Yeah, I know I coulda resold 'em, but I'm not into that.)

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Conard Murray <cfm@tntech.edu>
Subject: Bogus Calls
Message-ID: <01I402FIP8N698B903@tntech.edu>

-- [From: Conard Murray * EMC.Ver #2.5.02] --

Don't forget UF00L!
Join in the fun at 0300Z on 3579.5!
73 and ZUT,
de Conard ws4s

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Book Buy Survey: Heathkit Guide
Message-ID: <01BB3332.225FB6A0@juneau_100.dialups.ptialaska.net>

Hello gang-

Chuck Penson's Heathkit, A Guide to Amateur Radio Products was published =
last October by Electric Radio. It is 256 pages with 200 photos. Begins =
with 50
page history of company. In rest, Chuck documents each product in a page =
or more of specs, design history, production runs, performance, =
weaknesses even. Covers 160 pieces of Heath ham related gear very well.

Since it was published last year and hard-core Green Machinists will =
likely already own it, I thought I had better do this preliminary survey =
to determine if I can meet the 24 book minimum order. Usual cost \$27 =
delivered. Cost to you,
if sufficient interest to go through on this, \$21 delivered So-

This is *not* the order sign-up. But if you want the above (to be =
actually ordered
next week pending sufficient responses), please do following:
Send e-mail message to beadgal@ptialaska.net
Subject: Heathkit Guide
In message body put your name and return e-mail address
mention if you want more than one copy (one assumed otherwise). Don't =
need your mailing info yet, as this is survey only, not order.
Thanks
Jim Dillon Beadgal@ptialaska.net
WL7CMQ

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: Re: Book Buy Survey: Heathkit Guide
Message-ID: <9604261550.AA09691@netman.ENS.TEK.COM>

Jim,
I think I would like to get the Heathkit book for \$21.

terrybu@netman.tek.com

Terry
KI7M

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: Collins resto: the continuing saga
Message-ID: <Pine.SUN.3.91.960426092722.8569E-100000@dot.w6bhz.calpoly.edu>

To replace the speaker I refinished for the 'J4, I opted to purchase the
replica 270-G3 from Morton Jones, W6KLG. Folks, this unit is a dead
ringer for the original. Right now, it stands next to the original 270-G3
I have with my other 75A4. At first glance, you can't tell. Some folks
may contend that the speaker (\$185 pp) is too much, but with the rarity
of original 270G3's, this is a once in a lifetime opportunity (and for a
NEW speaker at that). So you OT's who failed to equip your 75-A2's 3's or
4's (In fact, A1's for that matter), now's the chance to "redeem

yourselves." As far as the other Collins equipment (S-line, et al), I'm still waiting for the cabinet to come back from Butch. I purchase an vintage table and hutch for my shack and a friend in the ROTC department has an old 12" US Army Signam Corps emblem I will display in my shack one day. The days seem to keep getting better. 73's and happy restoring (I'm sure happy). Cal, N6KYR.

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Michael Crestohl <mc@shore.net>
Subject: Common Rig Problems....Collins KWM-2/2A
Message-ID: <199604261156.HAA27985@northshore.shore.net>

Hello Everyone:

Looks like Jim Lockwood started an interesting thread here.....

I have found that the Collins KWM-2/2A transcievers have a couple of weak points, namely:

The power ON/OFF switch: The contacts don't seem to be up to handling the current and burn. My solution was to install a relay and use its contacts to handle the current.

Also the relays, especially K-2 and K4 (under the chassis). I am thankful that my M-2A has plug-in relays and I have a spare set. Having once changed these on an old M-2 (with solder-in relays) I would never want to do that again!

If buying a KWM2-2A, my advice is to make sure it has plug-in relays. If it doesn't, PASS!

73,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: knudsen@gvmail.ih.att.com
Subject: Re: Common Rig Problems....Collins KWM-2/2A
Message-ID: <9604261616.AA05913@bock.ih.att.com>

Well, I won't argue about the relays. Mine are not plug-in but I do have a spare pair. I hope my widow sells the rig before I have to replace them -- the trained mice who work inside KWM-2s want union scale these days.

But the switch problem -- didn't someone post that the best solution was to

put MOV varistors across the PS xformer primary, to absorb the extra voltage spike when the rig is switched off? Also recommended for R390As, whose microswitch tends to weld shut. 73, mike k aa9rg

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: mirage!pamars@Simba.AGN.NET (P.A.Marshall)
Subject: Deoxit source
Message-ID: <9604261303.AA27887@mirage>

A while back there was mention of a special on Deoxit till the end of April, does anyone have a phone number for getting an order in?

Al Marshall "Real Radios Glow in the Dark" almarshall@acm.org
1+219.665.5072 Mirage Computers, Inc. pamars@mirage.angola.in.us

"The lyf so short, the craft so long to lerne." - Chaucer

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Terry Neal <tmneal@netcom.com>
Subject: Re: Deoxit source
Message-ID: <2.2.16.19960426094035.20df7550@10.0.2.2>

At 09:08 AM 4/26/96 -0500, you wrote:

>A while back there was mention of a special on Deoxit till the end of
>April,

The phone number is 619-451-1799. They are in San Diego, Ca. I thot the deal was really good at first but I have changed my mind after I received my order from Caig. What you get are two 1/2 oz "mini sprays" not much bigger than a lipstick container for over \$13 bux delivered. It is cheaper to go to your local electronic store and buy a 5.5 oz can of Deoxit D5 for \$8.50 ea.

cul Terry aa6tn

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Andy Wallace <wallace@mc.com>
Subject: Re: Drake R-4 Series of Receivers
Message-ID: <9604261858.AA01055@taku>

----- Begin Included Message -----

From: "David L. Thompson" <thompson@mindspring.com>
Subject: Re: Drake R-4 Series of Receivers

Drake Line equipment is still the biggest bargain in getting on the air with inexpensive equipment.

----- End Included Message -----

Shh! It's supposed to be a secret!

And don't you DARE tell anyone the Drake bands are 2.5 times wider than the S-line ones..... ;->

73,
--Andy
wallace@mc.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: DRAKE T-4 AM MOD
Message-ID: <9604260900.aa19373@pcusa01.ecunet.org>

I've been trying to track down a short article on improving the Drake T-4X performance on AM. Probably in QST and I think in the last few years.

Anybody (it's been driving me a little buggy as I turn the shack upside down), please?

WB2EQG

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: FS: Collins filters
Message-ID: <960426172630_70401.134_IHD44-1@CompuServe.COM>

Two Collins filters for sale. Best offer "bids". Also may trade for something interesting. Both are excellent.

F 455 J 31

F 455 J 05

These are the high quality, metal cased ones with 9-pin "Noval" base.

73,
Sandy W5TVW

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: heath stuff
Message-ID: <158_9604261244@gigo.com>

hello ba people i have for sale:

1. heath sb610 monitor scope, very very clean works good with manual copy. \$95
 2. heath sb610 monitor scope, very dirty with smoke damage from house fire, complete/untested (parts or restore ?) \$35
 3. heath sb620 scanalyzer if monitor scope, clean front panel, case dirty, works good with manual copy (3395khz if) \$75
- all above are plus shipping. i am located in sacramento. thanks tom

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Michael Crestohl <mc@shore.net>
Subject: Re: FS: Military TV-7D/U tube tester
Message-ID: <199604260149.VAA13814@northshore.shore.net>

Hello Raymond:

I've had a lot of replies to my posting about the TV-7D/U and many more asking about Dan Nelson.

His address is:

Dan Nelson, 1025 E Desert Lane, Phoenix AZ 85040

Tel: 602-243-7421

e-mail: djn@indirect.com

He's a good man to know. I've had numerous dealings with him in the past and they were all totally satisfactory.

Regards,

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: FS: STANCOR TRANSMITTER
Message-ID: <199604261838.NAA23936@ns-mx.uiowa.edu>

I'm in a shack cleaning mode.

FOR SALE:

Stancor ST-203A transmitter. This is a early 1950's 25 watt 10 meter AM transmitter intended for mobile use. Uses a 6V6 osc to 2E26 final modulated by push-pull 6V6s and a 6J5 speech amplifier. Has internal 6 volt ad/dc PTT/antenna change over relay. Requires 400-500 vdc @ 200 ma and 6.3 volts @ 2.5 amps. All tubes and 2 crystals, one knob broken and case exterior has some rust. \$25 plus shipping. Sorry, no manual.

Al, K0AL

allan-culbert@uiowa.edu

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: "John Skalski" <n8htv@m2.sprynet.com>
Subject: FS:Collins 75A-4/270G-3 \$850
Message-ID: <199604260306.UAA27552@m2.sprynet.com>

For Sale:

> Collins 75A-4, s/n 2810 and 270G-3 speaker
> Receiver works well and looks great.
> Both pieces professionally refinnished by Howard Mills, W3HM
>
> Non-original, professionally made, trim cap cover has a polished
> finish, unlike the original. (actually looks better!)
>
> \$850 Dollars OBO
> John Skalski N8HTV
(810) 445-8175>

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: FS; Collins 75A-4 270G-3 \$850
Message-ID: <82865.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the post, not me.

----- Forwarded message begins here -----

From: John Skalski <n8htv@sprynet.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
Subject: FS; Collins 75A-4 270G-3 \$850

For Sale:
Collins 75A-4, s/n 2810 and 270G-3 speaker
Receiver works well and looks great.
Both pieces professionally refinnished by Howard Mills, W3HM

Non-original, professionally made, trim cap cover has a polished finish, unlike the original. (actually looks better!)

850 Dollars OBO
John Skalski N8HTV
(810) 445-8175

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: Globe Electronics Scout Deluxe
Message-ID: <80373.ddillman@igc.apc.org>

NOTE The message below is a re-post from rec.radio.swap. All replies must go to the person making the posting, not me.

----- Forwarded message begins here -----

From: phunter@ola.mv.com <phunter@ola.mv.com>
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
Subject: Globe Electronics Scout Deluxe

Globe Electronics Scout Deluxe 80-6 meters transmitter. Unit looks in new condition other than a blower mounted on back of unit. Crystal control or external vfo. Status unknown, no crystals or external vfo. No signs of burned components or smell, and all tubes and knobs, etc. are there. Unit came from silent key. Face and cabinet in mint condition. Asking \$50 or best offer plus shipping.

----- Forwarded message ends here -----

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: KB9VU@aol.com
Subject: Re: Halli Book Deal Last Call.... GOT MINE!
Message-ID: <960425213315_522158631@emout07.mail.aol.com>

The book arrived and was as expected. Really glad I decided to go for it.
Thanks to Don and Jim for doing a great job!

Mike

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Halli/Heath Book Deals News
Message-ID: <01BB3397.F31C0A40@juneau_98.dialups.ptialaska.net>

Hello Halliscratchers/ Benton Boxers-

Good news on 2 fronts. Old biz-Hallicrafters- first:

The last wave books will be mailed out direct from publisher this Wed 5/1 rather than doing the PA-AK-yer QTH long path as announced before, *if* you got your check in the mail by today (as promised), or get it = mailed Saturday! This was a nice concession ('We do this about once a year') = from those folk, so I don't want to torture their order-entry clerk with = dribbled-in o.k. to ship faxes. So stragglers won't go out until Friday 5/3. Let's = be fair to prompt responders (and my store's cashflow 'cause I don't cash =

checks until goods are shipped) and send those \$22 ducats to:

Hi Tec
201 Seward St.
Juneau AK 99801

Boatanchors people have either received, been mailed, or signed in for =
127 books! Would anyone object to me giving Chuck Dachis the final =
maillist
of Hallicrafters people?

Heathkit: A Guide to the Amateur Radio Products by Chuck Penson News:
(see 4/26 post: Book Buy Survey: Heathkit Guide)

Ok, we'll do it. I'll send Barry an order for 24 copies tomorrow based =
on 22
responses to low-profile feeler sent out this a.m. Do me a favor, all, =
and wait
until Wednesday morning when I put out a general offering post. If you =
sent
your name and e-mail address Friday, I have you at top of list for the =
first
bundle of books. No money or addresses for Heathkit until I get the
Hallicrafters cleared out, please. (Also our e-mail host has announced an =
outage for Tuesday and Wednesday a.m.).
No hurry-the books will be in transit all next week anyway.

Please send correspondence re: either of above to me direct at:
beadgal@ptialaska.net

Jim Dillon WL7CMQ
(seeking S/SX-9, S-29/39, 8R40, and a Heath stereo toooob amp)

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: HALLICRAFTERS SX-100
Message-ID: <9604262115.aa17298@pcusa01.ecunet.org>

More on the Hallicrafters SX-100 (the SX-96 is the same except -100 got an
antenna trimmer, xtal calibrator and IF notch filter; the S-76 has similar
ct but different front panel)...

Yes, the mechanical stability is touchy. The bandswitch problems yield to
Cramolin Red or Deoxit. But the chassis is simply not stiff enuf in the
right places around the whole front end. I plan to add some stiffeners to
see what can be done.

The electrical stability is adequate. You can also take a tip from the
SX-101/101A's. Put a 3300 ohm / 10 watt resistor underneath the

oscillator/mixer area, powered continuously (even with set off) by the 115 VAC line.

Also from 101/101A, run the HF oscillator's heater continuously from a separate 6.3 v xfmr. Or, build up a zener-regulated 6.3 v DC supply just for the osc filament and run it continuously.

Another problem with the SX-100 is oscillator pulling on 10 m with changing signal strength. It's bad enough on SSB but it even pulls AM sigs out of the passband as they fade. Did the SX-111 or the SX-122 (others?) possibly add a buffer between HF oscillator and the 1st mixer to help this, or what did they do?

The SX-101A (which is electrically similar) went to a 6BY6 1st mixer & 12BY7 HF oscillator which cured this prob completely.

The best thing I ever did to my SX-100 was to add the product detector ct from the SX-101A (a 6BY6). Along with a very simple change to the AGC line to give it a slow decay, it works excellently on SSB. The set's selectable sideband feature, selectivity and stability (if you don't lean on the chassis!) really begs for this modification to be done.

Another mod is to modify the agc detector ct to conform to that of the SX-101A. Originally, the agc voltage was taken from the *primary* of the last IF xfmr. This is not the place of maximum selectivity.

Off-frequency QRM can therefore pump up the agc reducing gain on the sig you want to hear. This was commonly done in older consumer superhets to aid a 'civilian' in correctly tuning a radio that had a fair amount of selectivity. As you tuned toward the station, background noise was quieted well before you actually got the frequency you wanted.

The SX-101A takes it from the *secondary* of the last IF xfmr which is a place of maximum selectivity--the right place. The mod requires nothing but a few wiring changes as the same tube is used in all (a 6BJ7).

Speaking of agc, the SX-115 got even fancier: It used *two* separate agc detectors and loops! The first loop was fed from a place of moderate selectivity and controlled only the RF amp (it had fast attack/fast decay even on SSB). The second loop came from the point of maximum selectivity and controlled stages after the RF amp. The latter had fast attack/slow decay characteristics for SSB.

Halli ads claimed that it reduced intermodulation distortion. I only ever handled a -115 when I was a teenager in the early '60s so I don't know for sure. But I do remember good audio quality and smooth agc action.

WB2EQG/7

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: RUNYAN@GONZAGA.EDU
Subject: Help R-1051 tool?
Message-ID: <01I3ZTPNU2RM000CX5@GONZAGA.EDU>

Does it take a special tool to release the coax connectors in this radio?
A friend of mine has a R 1051 and wrote me a letter talking about "D
connectors with rings that may need to be compressed . . ." I don't know
what he's talking about. Do any of you? Thanks.

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>
Subject: RE: Help R-1051 tool?
Message-ID: <31812918@smtpgate.rfc.comm.harris.com>

<SNIP>

>Does it take a special tool to release the coax connectors in this radio?
>A friend of mine has a R 1051 and wrote me a letter talking about "D
>connectors with rings that may need to be compressed . . ." I don't know
>what he's talking about. Do any of you? Thanks.
<SNIP>

The coax connectors at the rear of the radio are standard. He may be
referring to the coax cables going to/from the various modules within the
radio. Those do require a tool to release the connectors from the body
of the connector. You would not normally ever have to do that unless
an inter-connecting coax connector has been damaged or worn out.
Good luck with your project. 73, Ed K2MP Nr Rochester
<emg@rfc.comm.harris.com>

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: I've created a monster!
Message-ID: <Pine.SUN.3.91.960426091910.8569D-100000@dot.w6bhz.calpoly.edu>

As a result of my brash enthusiasm for these hollowstate goodies, it
seems I've manage to infect a newcomer to our ranks. He is a fellow San
Luis Obispoan who works here at Cal Poly. He recently acquired some
Heathkit SB series equipment. I sold him an SB-600 speaker and the 2nd
edition of Ray Moore's book (I'm using the proceeds to get the 3rd Ed).
But the kicker was giving him my latest copy of ER for free. He

absolutely went ballistic (in a positive sense, that is). I'm reordering a replacement for myself but the results are about as gratifying for me to bring a neophyte boatanchorite on the scene as my recent restoration of that Collins 51-J4. I won't mention his name. He will manifest his existence as time progresses but as a general welcome, WELCOME ABOARD! May warm shack nites and glowing 6146's await you, my friend. I am happy to assist you in any way possible. 73's to all. Cal, N6KYR. P.S. Barry, if you're reading this, you may have a potential new subscriber on yer hands!

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: kq4by@ix.netcom.com (Lawrence D. Keith)
Subject: Many Manuals Must Go -- Before Dayton!
Message-ID: <199604260143.SAA07179@dfw-ix11.ix.netcom.com>

This is multipart MIME message.

--diixpnselatoquahldfgmkikukjubp
Content-Type:text/plain; charset=US-ASCII; name="NCZ1D00.TMP"

OK, it must be time to go to Dayton.. I have been cleaning house to make room for some "new" stuff.. So, if you need any of the following, please drop me a note. Prices do include postage. And, if you don't like these prices, make me an offer.. And, I have a couple of wants in case someone is in a trading mood. I need:

Manual for Heath SB-200.

Assembly Manual for Lafayette KT-200.

Matching speaker for my HQ-180AC.

73,

Larry, KQ4BY

--diixpnselatoquahldfgmkikukjubp
Content-Type:text/plain; charset=US-ASCII; name="manuals.txt"

Barry Electronics:

CATALOG -- Catalog no. 15, Barry's Greensheet, Winter
1965, poor condition, \$5.00

Collins:

75A-2 -- Collins 75A-2 Amateur Receiver Instruction Book, Mar 15, 1951, poor condition (worn). \$20.00

General Radio Company:

VARIAC -- Variac catalog, 10 pages, good condition, \$5.00

Gonset:

SUPER 6 -- Installation and Operating Instructions, Gonset Super Six Amateur Mobile Converter, Model D, good condition. \$5.00

Hallicrafters:

HT-32 -- Operating and Service Instructions, HT-32, Mark I, very good condition, \$20.00

Heath:

HN-31 -- Heathkit Assembly Manual, Cantenna Dummy RF Load, Model HN-31, good condition, \$5.00

QF-1 -- Assembling and Using Your Heathkit Q Multiplier, Model QF-1, poor condition (soldering iron burn on page 13). \$5.00... And, one in good condition for \$7.00.

Hewlett Packard:

ELECTRONIC INSTRUMENTS AND SYSTEMS -- hp Electronic Instruments and Systems specifications, 1980, hardbound, 710 pages, very good condition with the original box! \$25.00

Hughes Products:

MODEL 104-D -- Instruction Manual, Hughes Memo-Scope Storage Type Oscilloscope, Model 104-D, good condition. \$20.00

Lakeshore Industries:

BAND-HOPPER -- Band-Hopper VFO Operating Manual, good condition. \$10.00

PHASEMASTER JR. -- Phasemaster Jr. Mounting & Wiring Instructions, poor condition (worn). \$20.00

Military:

AN/GRC-9 -- Radio Sets AN/GRC-9, AN/GRC-9A, AN/GRC-9X and AN/GRC-9Y, TM 11-263, TO 31R2-2GRC9-1, June 1956, 247 page, good condition. \$25.00

AN/GRC-26A -- Instruction Book for Radio Set AN/GRC-26A, manufactured by the Hallicrafters Co., Order no. 1908-Phila-51, 15 December 1951, 275 pages, fair condition (worn). \$25.00

AN/GRC-26A -- Radio Set AN/GRC-26A, TM 11-264A, January 1953, 214 pages, good condition. \$25.00

AN/PRC-* -- Radio Sets AN/PRC-9 and AN/PRC-10, TM 11-612, September 1951, 53 pages, good condition. \$10.00

AM-43*/FRC -- Dual Channel Amplifiers, AM-42/FRC, AM-43A/FRC, AM-43B/FRC and AM-43C/FRC, TM 11-2520, November 1953, 73 pages, fair condition (worn). \$10.00

AM-864/U -- Audio Frequency Amplifier, AM-864/U, TM 11-5081, TO 16-35AM864-5, July 1954, 56 pages, good condition. \$10.00

BC-610-I -- Instruction Book for Radio Transmitter BC-610-I, manufactured by the Hallicrafters Co., Orders No. 1908-Phila-51-01-C, 3167-Phila-51 and 3201-Phila-51, 15 October 1951, 131 pages, fair condition (worn). \$25.00

CPF-60057 -- Instruction Book for Navy Type CPF-60057 Portable Vacuum Tube Tester, not dated, covers the Precision Series 920 and 922 Dynamic Electronometers, approximately 20 pages, good condition. \$10.00

D-156000 -- Radio Transmitting Equipment, Single Sideband (Western Electric Type D-156000), TM 11-832, 24 May 1945, 327 pages, good condition. \$25.00

ELECTRICAL INDICATING INSTRUMENTS -- Electrical Indicating Instruments And Test Sets Repair Instructions, TM 11-4700, To 16-1-106, August 1945. This book contains general repair instructions and

specific repair instructions for various testers, VOMs, tube testers as well as instructions on how to repair meter movements. 155 pages, good condition. \$20.00

FR-67/U -- Frequency Meter FR-67U, TM 11-2698, May 1953, approximately 75 pages, fair condition. \$10.00

ID-1189/PR -- Organizational Maintenance Manual Including Repair Parts, Indicator, Channel Alignment, ID-1189/Pr, TM 11-6625-937-12, July 1957, approximately 40 pages, good condition. \$10.00

INTERFERENCE FILTERS -- Handbook, Installation Practice Manual, Interference Filters Used With Communications-Electronics Equipment, TO 3101063, 30 Sep 55, 24 pages, good condition. \$10.00

INTERNATIONAL MORSE CODE -- International Mores Code (Instructions), TO 31-3-16, TM 11-459, 17 Sep 57. the military guide to learning Morse Code, 31 pages, includes a nice drawing and instructions of how to adjust a bug (Yes, it's a Vibroplex!), 24 pages, good condition. \$15.00

ME-6D/U -- Instruction Book For Electronic For Electronic Multimeter ME-6D/U, NAVSHIPS 92423, TO 33A1-12-102-1, 18 Jan 55, approximately 30 pages, 2 available, very good condition. \$15.00

OA-58/FRC -- Radio Receiver Assembly, OA-58A/FRC, TM 11-889A, October 1949, 114 pages, good condition. \$15.00

RADIO COMMUNICATION EQUIPMENT -- Preventive Maintenance Guide For Radio Communication Equipment, TB SIG 178, TO 16-1-183, June 1945, 183 pages, good condition. \$20.00

RADIO RECEIVERS -- Radio Receivers, AFM 100-5, 14 December 1956, 175 pages, good condition, \$30.00

RADIO RECEIVERS -- Radio Receivers BC-779-A, -B; BC-794-A, -B; BC-1004-B, -C, -D; and R-129/U; Power Supply Units RA-74-B, -C; RA-84-A, -B; and RA-94-A; Radio Sets SCR-244-A, -B; SCR-704; and AN/FRR-4 (Hammarlund Super Pro Receiver), TM 11-866, February 1948, 98 pages, very good condition. \$25.00

RADIO TRANSMITTERS -- Radio Transmitters, AFM 100-6, 15 November 1957, 173 pages, good condition. \$30.00

R-274/FRR -- Instruction Book for Radio Receiver R-274/FRR, Manufactured by the Hallicrafters Co., Order No. 25557-P-49 and 18566-P-49, 22 May 51, 115 pages, good condition. This is the manual that was shipped with the equipment while the Technical Manual was being published. Same style and format as the military TM. \$20.00

R390/URR -- Instruction Book for Radio Receiver R-390/URR, Manufactured by Collins Radio Company, Order Number 14214-P-151, 23 October 1953. Fair Condition. This is the manual that was shipped with the equipment while the Technical Manual was being published. Same style and format as the military TM. \$25.00

R390/URR -- Instruction Book for Radio Receiver R-390/URR, Manufactured by Motorola, Incorporated, Order No. 90-PH-52-93, 23 October 1953, similar to above, fair condition. \$25.00

R390/URR -- Radio Receiver, R-390/URR, TM 11-856, TO 31R1-2URR-154, January 1955, 130 pages, good condition. \$20.00

R390/URR -- Radio Receiver R390/URR, TO 31R1-2URR-154, TM 11-846, 11 Jan 55. This is the Air Force version (we don't waste money on those ugly yellow cardboard covers!), 134 pages, good condition. \$20.00

R390/URR -- Another Air Force version of the above manual. But, this one looks like it just came off the shelf in the TO warehouse. The whole thing is secured with a brown paper band and the foldouts are in an envelope. Very good condition. \$25.00

R390A/URR -- Radio Receiver R-390A/URR, TM 11-856A, TO 31R1-2URR-251, January 1956, approximately 200 pages, fair condition. \$20.00

R390A/URR -- As above, except good condition (3 available). \$25.00

SCR-211-* -- Frequency Meter Sets, SCR-211-A, B, C, D, E, F, J, K, L, M, N, O, P, Q, R, T, AA, AE, AF, AG,

AH, AJ, AK, AL, TM 11-300, 20 July 1944. The BC-221 bible! 162 pages, fair condition (worn -- someone used this one!). \$15.00

SCR-211-AG/AK -- Frequency Meter Sets, SC-211-AG and SCR-211-AK, TM 11-300AG, 14 Jan 44, 83 pages, fair condition (cover marked and dirty). \$10.00

SCR-211-AH -- Frequency Meter Set, SCR-211-AH, TM 11-300AH, 20 Dec 43, 48 pages, fair condition (Covers loose, marked and dirty). \$10.00

SCR-244-D -- Radio Set, SCR-244-D and Radio Receivers R-274A/FRR, R-274C/FRR, R-320A/FRC, R-483/FRR and R-483A/FRR, TM 11-851, October 1953, approximately 225 pages, fair condition (some water marked pages and cover). \$25.00

SP-600-JX-17 -- Handbook, Service Instructions, Radio Receiver Model SP-600-JX-17 (Hammarlund), TO 31R2-4-18-2, 10 September 1955, 77 pages, good condition. \$20.00

SP-600-JX-17 -- Handbook, Overhaul Instructions, Radio Receiver Model SP-600-JX-17 (Hammarlund), 19 June 1953, 20 pages, 2 available. \$10.00

SP-600-JX-17/21 -- Handbook, Preventive Maintenance Instructions, Hammarlund Radio Receiver Models SP-600-JX-17 and SP-600-JX-21, TO 31R2-4-18-16, 6 March 1959, 100 pages, good condition. \$20.00

T-409/FRC-30 -- Partial manual.. Looks like change 1 to TM 11-814 for the Radio Transmitter T-409/FRC-30, about 30 pages(mostly foldout schematics and other diagrams, poor condition (missing pages 1 and 2). \$10.00

TS-297/U -- Multimeter, TS-297/U, TM 11-500, AFM 101-10, August 1948, 37 pages, fair condition (cover dirty and worn). \$10.00

TS-375/U -- Handbook, Maintenance Instructions, TS-375/U and TS-375A/U Voltmeters, TO 33A1-12-52-2, 1 Aug 53, approximately 150 pages, good condition (some writing on cover), 2 available. \$15.00

TS-505/U -- Electronic Multimeter, TS-505/U, TM 11-

5511, TO 33A1-12-55-1, June 1951, poor condition
(missing back cover). \$10.00

RCA:

W0-91A -- RCA Cathode-Ray Oscilloscope, Type W0-91A
Specifications, Operation, Applications, Maintenance,
copyright 1955, good condition. \$10.00

162C -- RCA-Rider Chanalyst, Type No. 162C, circa
1951, poor condition (missing two introductory pages,
worn and dirty). \$10.00

7360 -- 7360 Beam Deflection Tube Spec Sheet, good
condition. \$5.00

Simpson:

Model 260 -- Operator's Manual, Model 260 Volt-Ohm-
Milliammeter, copyright 1955, very good condition.
\$10.00

--diixpnsselatoquahldfgmkikukjubp--

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>
Subject: Re: Matsuda manuals
Message-ID: <8CDE584E76@sbii.sb2.pdx.edu>

Thanks to all who responded with Matsuda's phone number. I've sent a fax;
still waiting for a reply.

=Randy=
Randy Zelick
Dept. Biology
Portland State University
P.O. Box 751
Portland, OR 97207
503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: "TOM N LAIRD 5-5777" <TL39597@deere.com>
Subject: Microphonics?

Message-ID: <DACDXX21.TL39597.495602080096117FDACDXX21@TCP30.DX.DEERE.COM>

Date: 04/26/96
From: TOM N LAIRD 5-5777
To: TL39597 - DACDXX21
INTERNET - DACDXE01
Subject: Microphonics?

All this talk about microphonics in tubes. How do I tell if my SWAN 250 with a 7360 is microphonic? Or how do I tell if my 12AX7A audio tube is microphonic? What are the sysptoms? I think in may know the audio sysptom(tap on the tube and get a reverb sound?). I need clarification, maybe others do to, I hope its not just me!!

Tom WC9M Moline, IL
tl39597@deere.com

BTW, I called about the USA.net thing and told them I wanted :
wc9m@usa.net and when they processed it, they gave me wcfgm@usa.net
they said it must be all letters....go figure....guess I can't
bit__ for nothing.

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: wd4mgm@ix.netcom.com (CARL WHITAKER)
Subject: Miltronix info needed
Message-ID: <199604262001.NAA14706@dfw-ix11.ix.netcom.com>

Could someone pass along (directly) Rick Mish @ Miltronix's phone number? I have an old one that's been "disconnected" and D.A. does not seem to have him listed. The number I have is 419-726-2249.

Tnx,

Carl
wd4mgm@ix.netcom.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: Re: Miltronix info needed
Message-ID: <318157A6.70C2@earthlink.net>

CARL WHITAKER wrote:

>
> Could someone pass along (directly) Rick Mish @ Miltronix's phone
> number? I have an old one that's been "disconnected" and D.A. does not
> seem to have him listed. The number I have is 419-726-2249.
>
> Tnx,
>
> Carl
> wd4mgm@ix.netcom.com
> Rick can be reached between 0900 and 1800 Central time ONLY, on
419.255.6220.

Walt

--

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com CI\$: 73348,2015

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: Re: More weak links...
Message-ID: <Pine.SUN.3.91.960426091140.8569A-1000000@dot.w6bhz.calpoly.edu>

Gosh:

Don't suppose you have a dog named "Lucky", do you? Hi hi. 73's and good
luck with your restorations.

On Thu, 25 Apr 1996, Herb Holeman wrote:

>to add to the list, particularly Collins and Viking.
>
> Viking Ranger I: Key clicks bad enough to make me very unpopular with other
> amateurs in the same town. Tried key click filter but only made it worse.

> Drifty VFO. Maybe someday I'll try some temperature compensation or
> (shudder) a sand-state lock box like in the current issue of QEX. Audio
> interstage transformer opened up....I'm still trying to find a replacement.
> It's a step-down in impedance from the 12AU7 to the class AB2 1614/6L6 grids
> and the transformer must handle some power. Nice rig in most other respects
> and the only Viking gear I've owned thus far.
>
> Collins 32S1: Mechanical filter is a decomposing time bomb waiting to go
> off. Mine failed after I used the rig for several months back in the early
> 80's. Fortunately replacements are easily available, but expensive. See
> Jim Dillon's piece on "Steven King meets Art Collins" in an earlier post.
> The tunable RF strip developed a persistent oscillation for which someone
> came up with a mod. At the time I hadn't heard of the mod so I just swamped
> the tuned circuit for the offending band with a resistor. 6U8 tubes in VOX
> circuit and relay driver are also a persistent problem, as they are in most
> other gear. A great piece of equipment but not perfect--that's why they
> brought out the 32S-3!
>
> Collins 32V series. I have a 32V-1 and I'm just eagerly waiting to see
> which audio transformer turns up bad. This appears to be a regular failure
> on this transmitter.
>
> Collins KWM-2 has a reputation for chewing up relays, although I have no
> personal experience owning or repairing this rig.
>
> As for the 6JB6 tubes in the Drake line and others, I've found them to be
> rather rugged and long lived for their small size. They definitely will not
> withstand the abuse that a 6146 will, but all sweep tube rigs should be
> tuned up at a power level of 5-10 Watts, then full plate current should only
> be drawn for a few seconds for "touch-up" tuning of the pi network. Don't
> sit there drawing 400 ma while dithering around for 20 minutes with your
> antenna tuner and then accuse sweep tubes of being fragile. Adjust your
> tuner first at low power and you should get a decade of casual operating out
> of your 6JB6's but then your mileage may vary, as some very wise person once
> observed.
>
> Let the chips fall.....
>
> 73 de Herb Holeman, WL7BIL
> Juneau, Alaska
> choleman@ptialaska.net
>
>

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996

From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9D0))

Subject: re: my for sale post

Message-ID: <9604261115.AA04150@whqst1.etn.com>

To any one who tried to contact me about my recent for sale post:

It looks like I cannot receive incoming mail. Part of our corporate server crashed shortly after I sent the message off. I have not been able to receive mail since then.

If you are interested, you may try to catch me at work (414-449-6916) or at home (414-886-1736).

Sorry for the inconvenience. Computers, you can't live with them and you can't.....

73 de Dennis, KG9DO

doonan@cordmc.dnet.etn.com

or try:

ddoonan@vines.etn.com (new address that may get through)

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996

From: RNickels@smtpmail.micro.honeywell.com (Nickels, Bob)

Subject: NASWA "Wind Up Radio Modification"

Message-ID: <1996Apr26.094400.1650.83563@smtpmail.micro.honeywell.com>

If you have a web browser and need a chuckle:

<http://www.mcs.com/~ralph/html/naswa/issues/0496/tech0496.html>

An interesting "modification" (???) for BA radios, shown installed on the R-390A...

Enjoy, and remember this is April!

73, Bob KE0T

rnickels@micro.honeywell.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996

From: BRIDGERS@gonzo.ccl.org

Subject: Nuts and Volts

Message-ID: <960426151003.20406cbd@gonzo.ccl.org>

Can someone give me the address, or Email address for Nuts and Volts. I hear that is a good magazine to get. But have not found it at my usual haunts in Greensboro.

Thanks in advance.

Tom Bridgers@leaders.ccl.org

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: cfb@novum.com
Subject: RE: Nuts and Volts
Message-ID: <Chameleon.960426175756.cfb@net.indra.com>

On Fri, 26 Apr 1996 14:09:12 -0500 (CDT) BRIDGERS@gonzo.ccl.org wrote:
> Can someone give me the address, or Email address for Nuts and
>Volts. I hear that is a good magazine to get. But have not found it
>at my usual haunts in Greensboro.
>Thanks in advance.
>Tom Bridgers@leaders.ccl.org
>

Coordinates are:

Nuts & Volts Magazine

Published by

T&L Publications, Inc.
430 Princeland Court
Corona, CA 91719
Telephone (909) 371-8497
Facsimile (909) 371-3052
Subscription-only-line: 800-783-4624
Compuserve 74262,3664

Great magazine.

BTW, check out the key people!:

Publisher: Jack Lemieux N6ZTD
Editor: Larry Lemieux KD6UWV
Managing Editor: Robin Lukasik KD6UWS
On-The-Road Exhibit Coordinatior: Audrey Lemieux N6VXW

Charles F. Bacon
cfb@novum.com

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: Outlandish conversations
Message-ID: <960426013242_70401.134_IHD115-1@CompuServe.COM>

This is an exchange I heard many, many years ago by a local CB "expert". About a year after the 27 Mhz. service was instituted by the Funny Candy Company.

Two CBers were conversing about the installation of a beam antenna (Yagi). The installee was asking how to optimize his signal. Here was the recommendation: (Not ver batum)

Man, you gotta do a simple mod. to your coax cable and your rig. To get a beam to work REALLY good, go down to Southern radio supply (One of the local jobbers) and get 9 feet of RG-17/U cable. Get the big connectors that fit the cable and a matching receptacle for the back of your radio. Pull out the PL-259 socket and put the new one in. You'll need 9 feet of RG-17 coax. Cut it to a quarter wave long, about 8 feet and put the connectors on it. Next get some RG-8/U and cut a quarter wave length of this and put connectors on it. You'll have to buy the adapters to connect the PL-259 on the RG-8 to the connector on the RG-17. Next use a quarter wave length of RG-58/U. Connect this to the end of the RG-8/U with a 'barrel connector'. Now get enough RG-174/U to reach your beam. That's the real small stuff. Connect one end to the RG-58 and the other end to the beam.

Boy are you gonna get out and bleed all over everyone near you! See, what happens is: the RF is like water going down a pipe. By making the pipe smaller the speed of the water goes up. The RF in the coax does the same thing. When it gets up to the beam it will be really speeded up a lot. Then it will come squirting off the end of your beam and give you a whole lot of extra gain! If you want to see how I did mine, come over here and take a look!

Amateur band 6 meter parallel:

Again not exactly ver batum....

One local liked "halo" antennas because he didn't have to worry about a rotor. In fact he had someone install 4 of them "phased" up a mast. Some one called him one night. "Psssst! Gabe...QSY to "Channel P", I got somethin' important for you!" (Later on "Channel P":) "Gabe, I know a guy that's got somethin' you'll be interested in. It's "halo grease". All ya' gotta do is smear it on the outside of your halos. What it does is make the antennas REAL slippery and make the RF leave the antenna easier 'cause it does away with the friction of the surface!" "Hey, man...that does sound good! Where's this guy at?"

Epilog: He did buy a small can of "halo grease" (which was really silicone grease) from the guy and he had someone smear it all over his antennas! The originators of the hoax and their buddies told him how much better his signal was afterwards! The guy is a silent key now. Needless to say, he WAS a

rather "slow" Technician class ham. I don't think they ever revealed the hoax!

73,

Sandy W5TVW

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Peter Ferrand <petef@sprynet.com>
Subject: Re: Outlandish conversations
Message-ID: <2.2.32.19960426123921.00690c24@sprynet.com>

At 10:28 PM 4/25/96 -0500, Sandy Blaize wrote:

> This is an exchange I heard many, many years ago by a local
>CB "expert". About a year after the 27 Mhz. service was instituted by the
[snip]
>See, what happens is: the RF is like water going down a pipe. By making
>the pipe smaller the speed of the water goes up. The RF in the coax does the
>same thing. When it gets up to the beam it will be really speeded up a lot.

Well, Sandy, this technique was documented for ham use by QST in the 60's as the LIRPA-1 system, complete with formulas for calculating the wavelength of the coaxes and illustrations of the electron compression process. Don't have time to look it up but check out the April 64-66 issues.

QST wrote at a much higher technical level in those days.

73,

-Pete

WB2QLL

petef@sprynet.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: knudsen@gvmail.ih.att.com
Subject: Re: Outlandish conversations
Message-ID: <9604261649.AA05974@bock.ih.att.com>

Heh heh. When I was operating 6m AM back in late-60s Boston, we young males would sometimes close off an evening's QSO with something like "tomorrow I'm gonna grease the antenna with Vaseline so the signal just slips out!"

I guess there's no joke so silly that someone somewhere won't take it

seriously! Hmmm, I wonder if polishing corrosion-roughened aluminum antenna parts wouldn't reduce the skin effect resistance....maybe take it down to the speed shop and get it chrome plated....73, mike k aa9rg

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Outlandish conversations
Message-ID: <Pine.OSF.3.91.960426122217.30187A-1000000@gaston.tenet.edu>

Sandy's stories reminded me of a true story that happened here in Dallas about fifteen or twenty years ago.

A very well known and respected local ham was helping a new ham get his station operating when they were called by a weak station with the call sign "5R4GT". Both were really excited about the new ham's first contact. They asked the location of the caller and were given the correct coordinates of the "DX" station which happened to be another well known local ham here in Dallas who had put his transmitter on low power and turned his beam away from the station.

In their excitement, they transposed the coordinates and came up with a location in the Indian Ocean. They asked the handle of the caller and were told that it was "Tube" whereupon they had a nice conversation with "Tube" who had great difficulty not falling out of his chair since he was laughing so hard. Only much later did they realize what had happened.

Obviously, neither were BA types even then.

Thought this might bring a few smiles.

Lenox, WA50VG

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Chuck Grandgent <k1om@world.std.com>
Subject: Re: Outlandish conversations
Message-ID: <199604261732.AA29179@world.std.com>

> Don't have
> time to look it up but check out the April 64-66 issues.
>
> QST wrote at a much higher technical level in those days.

I'd forgotten about those "April Fools" articles, they were fun.
I seem to remember one about a "special" transformer with windings

wound on the legs of that popular optical illusion - you know the one - if you look at one side it has three "legs" but if you look at the other, there's only two.

-Chuck, K1OM, Maynard, Mass.
K1OM@world.std.com <http://world.std.com/~k1om>

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Outlandish conversations
Message-ID: <Pine.ULT.3.91.960426143935.2830B-100000@admin.aurora.edu>

On Fri, 26 Apr 1996, Karan Lee Carruth wrote:

> A very well known and respected local ham was helping a new ham get his
> station operating when they were called by a weak station with the call
> sign "5R4GT".

Another good "call sign" for this is RG8AU

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Re: Outlandish conversations
Message-ID: <Pine.SV4.3.91.960426122542.24014C-100000@uhunix5>

> > sign "5R4GT".
> Another good "call sign" for this is RG8AU

Well darn it, I guess it's time to clear my conscience, cleans my sole, etc. Back in '68 my folks bought me the DX-60B + HR-10B combo. After assembling them it wasn't enough just to listen. I wanted to transmit too, damnit!! So, as a no-nothing 14 year old I made up a WN6xxx callsign and played in the Novice subbands on CW.

That's bothered me (a little) for years so it's finally good to tell my friends on here. Gee, I feel so good now that I think I'll

go have a beer!

73 from Hawaii, and have a great weekend,
Jeff KH2PZ (ex: NH6IL, WA6QIJ, WH6AEQ, NMO, and WN6xxx)

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Re: Outlandish conversations
Message-ID: <199604270032.TAA12426@uro.theporch.com>

> Well darn it, I guess it's time to clear my conscience, cleans my
> sole, etc. <snip>So, as a no-nothing 14 year
> old I made up a WN6xxx callsign and played in the Novice subbands
> on CW.
>

I think probably more than a few of us have been there.

While still a Novice at the ripe old age of 14, I built a VFO for my
DX-40 -- in anticipation of getting off of 7198 (my only crystal).
One afternoon, I just couldn't take it anymore, so I moved down the
Novice subband with the VFO and called CQ. Figured no
one could tell I wasn't rock bound. Right. WRONG!!!

I got a reply --- "KN5VCM KN5VCM de FCC FCC". Talk about breaking
out in a sweat! My reaction was to grab every power switch in the
shack and just power the whole mess down, receiver, transmitter, and
all. Turned off the lights and left the room. As I remember, it was
quite a few days until I got back on the air again, too.

Guess that VFO wasn't quite as "rock" solid as I thought :-) I
sweated over that one for several weeks -- until I was reasonably
sure the police, FCC, FBI, and CIA, with a pack of hungry wild
dogs weren't going to show up at my door to haul me off to Ham Radio
prison ..

The VFO went into the closet ... until AFTER I'd passed the General
(which was not too long thereafter)..

Grant/NQ5T

Grant Youngman -- NQ5T
nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm> - Vintage Ham Radio

Beautiful downtown Double Oak, TX

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: michael@kc2kj.k2nesoft.com (Mike Sullivan)
Subject: PJ-068 plugs available
Message-ID: <199604260237.WAA14352@kc2kj.k2nesoft.com>

repost of interest:

From: debral@falcon.cc.ukans.edu
Subject: KINGS PJ-068 MICROPHONE PLUGS
Score: 100
First 20 lines:

FOR SALE --

PJ-068 microphone plugs manufactured by Kings Electronics.
These are the REAL THING as supplied to the US military and Collins
Radio. They also fit other equipment (Drake, etc) that require a
.206" 3-conductor phone-type plug.

Asking: \$7.50 each (I ship)

Bill Worthington

AA4FM/0

Eudora, Kansas, USA

debral@falcon.cc.ukans.edu

michael@kc2kj.k2nesoft.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: andy@taligent.com (Andy Heninger)
Subject: Power Supply Design (was Series Caps)
Message-ID: <v02130500ada6bd7fe2bd@[134.149.23.139]>

Hank van Cleef wrote at length on power supply filter design, and the
effectiveness of choke input filters with relatively small capacitors.

For supplies for CW transmitters there's an additional consideration, which
is the transient behavior of the output voltage when the load is keyed.
Terman's Radio Engineering book has a short discussion of this, with the
conclusions being this (more or less - I don't have the book in front of
me):

- If you completely ignore the problem you can end up with some pretty

horrific ringing and wiggling of the supply voltage.

- Any practical LC filter that is effective for ripple reduction will ring when the load is keyed. In general, the better a supply is at ripple reduction the worse it will behave under keyed loads.
- It's best to keep the time constant of the filter short compared to the fastest expected keying rate. This means both L and C want to be small.
- Increasing C will reduce the amplitude of the transients.

If I ever get time enough to play with my old radios again, it'd be fun to throw a scope on the power supplies and see what gives. Crank a keyer up to the resonant frequency of the filter and see just how fast that is and how bad it looks.

It's all enough to make you want to use some of Bob Keys' dynamotors - I believe that in earlier postings that he credited the chirp-free operation of his ARC/5s to (among other things) the good transient stability of the dynamotor supply.

Andy Heninger WB6MPT andy@taligent.com

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Morris Odell <morriso@vifp.monash.edu.au>
Subject: R390A questions
Message-ID: <199604260238.MAA04535@vifp.monash.edu.au>

Gang,

My R390A (EAC subchassis, Cosmos VFO, missing labels) was originally used by the Oz post office and the manual for it is an "Australian Post office Engineering Instruction". I don't know how it compares to the original manuals, but I've found it a bit hard to understand on the subject of aligning the 2nd crystal oscillator.

My understanding is that you peak the plate coil (T401) on the 7 Mc range and then work your way up to 32 Mc peaking the appropriate trimmers as you go. Is this the right procedure? I found that the first sign of weakness of the 6AK5 tube is that it stops oscillating on its highest crystal frequency which is for the 14 Mc range. Replacing the tube seemed to produce non-total deafness on other bands but at least it was oscillating. The injection level is variable across the various crystals and seems to have quite a bearing on the receiver sensitivity. The manual gives quite a range of acceptable grid voltage for the 6AK5 (measured with a VTVM at E401) and

this implies there can be quite a bit of variation in sensitivity across the bands.

I wonder whether anyone can comment on this.

73

de Morris VK3DOC
morrison@vifp.monash.edu.au

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: wd4mgm@ix.netcom.com (CARL WHITAKER)
Subject: Rick Mish & Miltronix
Message-ID: <199604261743.KAA10998@dfw-ix12.ix.netcom.com>

The phone number I had for Rick Mish @ Miltronix has been "disconnected" and D.A. does not seem to have a new listing. Would someone mind passing it along to me directly?

Tnx,

Carl
WD4MGM

wd4mgm@ix.netcom.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: S-38 color?
Message-ID: <31817C6E.1120@ghgcorp.com>

Hello All...

So far the vote is 2 to zero that the S-38B came in black wrinkle finish. Mine looked like it was olive drab, as did the other two S-38's I saw at Belton.

Anyone else at Belton confirm deny my color vision? Or was this a product of the lighting? I swear they were an olive drab.

Anyways, I still think I am going to paint it Forrest Green, 'cause I like it. Plus, S-38B's are not rare and will only be worth sentimental value...

Thanks and 73,
Ben
--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: S-38, Drake 2-B, and QTH.BAFOLK update!
Message-ID: <31817135.68B9@ghgcorp.com>

Hello everyone...

The Halli S-38B I bought at Belton turns out to be in electrically good shape. Seems it has been recapped already, and fairly neatly too. Two big wax papers are still in there, and will be replaced. Will probably replace the can electrolytic, it seems to be leaking something. Since the case was extremely rusty and missing about 50% of the lettering I stripped it and primed it this evening. Primer looks good. Since I am not worried about making this thing look original, it is going to get a coat of Forrest Green Krylon. I think the original color was olive drab? Should look nice when finished.

The Drake 2-B had it's silicon retifier modification removed. Reason: Picked up 10 new-in-box 6X4's at Belton for \$4. (Speaking of those mystery tube bags for \$3 each at Belton, I have found three bad tubes out of 50 or so I have tested. That includes anything that the inAccurate Instruments thinks is "bad", but still may be good.) With the silicon, when I hit the power switch the s-meter would peg. That didn't make me happy. With the 6X4 back in, it doesn't do that. Back to happy camper, rig is original 'cept for inrush limiter mode...

QTH.BAFOLKS is nearing the point of it's beta release. (method to be determined) If you still haven't submitted your data, send the following to me, Arnie Coro at Radio Havana, KIDDING! (I am in a jolly mood) Send the following to me at BDHall@ghgcorp.com:

Your name, you call(s), your email adress(es), city/town, state/province, country

Thanks and 73,
Ben
--

=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: RE: SHACK GROUNDING!
Message-ID: <9604260900.aa19314@pcusa01.ecunet.org>

> From: Steve Ellington <n4lq@iglou.com>
>
> 11. Open wire feeders are cool but keeping them balanced is difficult.
> Even the tuner tends to unbalance them. You don't think they radiate
> eh? Think they cancel eh? Then take a Field strength meter and
> hold it next to your open line and find out. I've seen fields
> around systems that I thought were balanced that are as strong as
> the antenna field.

It's important to know whether your baluns are of the **voltage** or **current** type.

Most baluns are of the voltage type. That means they will produce balanced currents **only** if the load (feed line or antenna) hooked to each of its output terminals present equal impedances.

This is not often the case. Antennas which we think of as being balanced (e.g. dipole) may actually be unbalanced due to environmental factors. Or a balanced feedline may have poor electrical and/or physical symmetry.

An easy way to check current on feedlines (balanced, coax or whatever) is found in the ARRL Antenna Anthology, Vol. 1, "Baluns: What they do and how they work", p. 163, Figs. 12 & 13, by Roy Lewallen, W7EL. Also shows how to determine which type of action a balun or other matching device performs.

When measuring balanced lines, two things need to be considered:

1. The relative balance of current in the two legs
2. The **total** (net) current flow in the whole thing.

You could achieve good balance from 1. but still be radiating due to a non-zero net current in 2., perhaps caused by physical imbalance. If feedline current balance is good and the wires are properly dressed and not too far apart (in terms of wavelength), then I think that the line will not radiate.

A **current**-type balun will 'force' current balance, even in an inherently unbalanced system, i.e. one that presents an unbalanced impedance in its legs. It does this by presenting an unbalanced **voltage** to the system,

forcing the current to balance at the output of balun.

You'll note that some baluns are offered in both the balanced and unbalanced variety. The voltage types are often of the bi- and trifilar type wound on ferrite toroids. The current types are often in the form of chokes, e.g. a string of ferrite beads over the outside of a coax shield.

As a further example, the Johnson Matchbox's balun is of the voltage type. I determined this using Lewallen's info.

WB2EQG

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: knudsen@gvmail.ih.att.com
Subject: RE: SHACK GROUNDING!
Message-ID: <9604261656.AA05993@bock.ih.att.com>

Thanks for the info on baluns and lines.

If I slipped a ferrite ring around the ladder line leaving my Matchbox, would that help force current balance, or just gum up the works?
73, mike k aa9rg

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Sandy Blaize <70401.134@CompuServe.COM>
Subject: RE: SHACK GROUNDING! & Baluns
Message-ID: <960426172633_70401.134_IHD44-2@CompuServe.COM>

Don't forget Maxwell's ARRL book: "Reflections". This is an excellent minimum math, good sense approach to antenna theory, VSWR, and transmission lines (including baluns).

I think it is one of those "must have" books for anyone wanting to delve into antenna theory without having to have an EE degree!

73,
Sandy W5TVW

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: "Howard R. Weeks" <weeksh@csranet.com>
Subject: Shack Grounds
Message-ID: <199604260529.WAA02362@primenet.com>

A few comments on grounds that ought to stir things up....

I believe in grounds with respect to power (AC) delivery systems,
but,

in over 40 years of ham radio, I have never found an earth ground to be
of any value to me from an RF or propagation perspective. I
understand all the popular theory but just never found any practical
difference that I could measure. So don't have one now and probably
never will.

Howard Weeks K5JCP
weeksh@primenet.com
---Howard Weeks
weeksh@primenet.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: kilgore@dev.tivoli.com (Jeff Kilgore)
Subject: Re: Shack Grounds
Message-ID: <9604261418.AA19970@wichita.tivoli.com>

> in over 40 years of ham radio, I have never found an earth ground to be
> of any value to me from an RF or propagation perspective. I

At times I have found an RF ground to be useful, but at other times I
have not used one due to practical reasons. At my current QTH, I hit
rock about 10-11 inches down, so it's not much use to me. I currently
make do without an RF ground and everything seems ok. I would prefer
to have one, but it sure wouldn't be easy to get anything like an
effective RF ground.

73,
Jeff, KC1MK

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Michael Crestohl <mc@shore.net>
Subject: SPY RADIOS Home page.....
Message-ID: <199604261055.GAA20964@northshore.shore.net>

Hello Everyone:

I just wanted to let you all know of a new home page devoted to Spy Radios:

<http://www.bluesky.com/warren/radios/spyradios.html>

There are scanned images of the RS-1 (GRC-109) and the RS-6 sets. There

are also links to a couple of Zenith Trans-Oceanic pages as well.

Enjoy!

Michael Crestohl, KH6KD/W1
mc@shore.net

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: standard@pcs.mb.ca
Subject: SWAN 508 VFO ????
Message-ID: <199604270158.UAA13545@pcs.mb.ca>

Just picked up a Swan 508 VFO and am looking for some info. What rigs were the intended match for this part? Was the 22 adapter required? My files show the wiring diagram for a 410 VFO wired into a 350, whats the diff? Anyone have a manual or diagram for wiring of this unit?

So many questions, so little answers!

HELP!

Gary Smith
standard@pcs.mb.ca
VE4YH@VE4KV.#WPG.MB.CAN.NA

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Al Evangelista <aevang@cris.com>
Subject: SX-28 manual received
Message-ID: <1.5.4.16.19960425225752.1a2703e8@pop3.cris.com>

I received the SX-28 manual today from Bill Meara. - It is a first class copy including fold-out schematic, spiral binding and a photocopy of the original front cover picture affixed to the binder cover.

I will be happy make copies of this manual available as necessary.

73,

Al Evangelista (KB8WYN) aevang@cris.com, kb8wyn@usa.net <- !

P.S. Anyone have some early 60s QSTs looking for a good home??

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: RWAYNE@CTC.Net
Subject: SX-43 gray paint
Message-ID: <01I3ZPUX0W6A8WWZFW@InfoAve.Net>

I need a source for gray paint to match the paint on the front panel of the Hallicrafters SX-43. I believe the SX-42 and SX-62 (?) have the same color. Can anyone suggest a source?

Thanks in advance.

Richard W4CBG

rwayne@ctc.net

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Jim Dillon <beadgal@ptialaska.net>
Subject: Re: SX-43 gray paint
Message-ID: <01BB3349.CADC8760@juneau_28.dialups.ptialaska.net>

Subject: SX-43 gray paint

I need a source for gray paint to match the paint on the front panel of the Hallicrafters SX-43. I believe the SX-42 and SX-62 (?) have the same color. Can anyone suggest a source?

.

Richard W4CBG

Hi Richard and Hallimatchers-

As paintmen will tell you, grays are the hardest paint to match. I have = a lot of Krylon, Ace, Tru-Value, GM, Ford spray grays which I have tried = in matching my -43 and none of them do. Options are having it matched and mixed by body/paint shop/store, but best you can hope for is quart minimum and at = least \$40, but call around locally on a slow day and see what they can = do- look under automotive body/paint for Sherwin-Williams dealer or Dupont. Maybe we can have it put in pint cans and split \$. I can ask Chuck Dachis what the paint match number is, but not all shops can/do match this way and of course there are variations due to =

age/U-V

exposure between individual radios.

My -43 was painted Conelrad yellow (by me, ironically, in 1963 at behest =
of DCA coordinator or such RI beaurocrat, in 1962 when it was the =
emergency
activation alert receiver at WCUM in Cumberland, MD. It has followed me =
all the
way to AK like an Iron Dog Incredible Journey story.

Jim Dillon WL7CMQ beadgal@ptialaska.net
(seeking S/SX-9, 8R40, and S-29/39

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: Greg Carter <kx4r@mindspring.com>
Subject: SX-43 gray paint
Message-ID: <199604270219.WAA17889@borg.mindspring.com>

>I need a source for gray paint to match the paint on the front panel
>of the Hallicrafters SX-43.
>Richard W4CBG

Hi Richard !

Thought I'd post this to the list as it may be of interest to others as well.
I recently needed to re-do 2 old HT-37 cabinets so what I did first was
consult with a friend of mine in the auto-painting and detail business.

He suggested that I take the best of the 2 cabinets to a local auto paint
supply store and have them computer match the color and mix 1 pint of
the resulting color in a brand called "Concept". The store was able to do
this
for me in less than an hour...I just dropped off the specimen and came back
later and the paint was ready....cost about \$18 for the pint....expensive
but this
is high quality automotive paint.

Next I took the 2 cabinets to a local cemetery monument business here and
asked the fellow if he would do a small sand-blasting job. He replied in the
affirmative and did both cabinets for \$10 (he also charged me an extra \$5 to
prime them when he finished !) Now with the primered, smooth, Halli cabinets in
hand I returned to the auto painting shop and dropped them and the pint of
paint off.

This fellow added the hardener needed for this kind of paint, had his son smooth
them up with wet/dry sandpaper, and the next day I had 2 beautifully finished
HT-37 Cabinets. His price was \$25!

As a note, I have a 1961 vintage HT-37 that's in as fine a shape as I have seen, all

original and almost like it came out of the box and these 2 cabinets when compared side by side are exact (or as close as you can get) matches !

So if you have a cabinet that has a little paint that has not weathered or yellowed

over the years my suggestion would be to take it somewhere for computer or laser matching. This whole ordeal was a bit more expensive than doing it myself but the results obtained are well worth it to me !

Hope this helps73 for now !

Greg KX4R

kx4r@mindspring.com

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996

From: pbock@melpar.esys.com (Paul H. Bock)

Subject: Thanks to the list

Message-ID: <9604261323.AA20612@syseng1.se.melpar.esys.com>

Just a quick "Thank you" to all those who responded to my request for pinout info on the BC-348-Q.

The 28 vdc supply from Fair showed up yesterday, and the -Q was up and running shortly thereafter. Works great, too - what terrific audio on SWBC! I ran it thru a 600-to-4 ohm xfmr to an 8" speaker - wonderful sound! Love to hear that little dynamotor humming along.....

Just a really, really neat old radio for the BA shack.....brought back memories of the -H I had back in the early '60s.

73,

Paul, K4MSG

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996

From: Richard Post <POST@ouvaxa.cats.ohiou.edu>

Subject: The last weekend in April

Message-ID: <A3001ZWGUR4GMC*/R=OUVAXA/R=A1/U=POST/@MHS>

Fellow Harborers,

It must be the flip-flop weather or maybe the annual call of the lemmings, but my mind keeps turning toward the western part of Ohio for some reason. Don't know why ;-) Good thing there's a hamfest in town (Athens) this weekend.

For those who are thinking about western Ohio in three weeks, how about settling on a 2-meter BA-talk frequency? Let me suggest the last 3 digits of one of our favorite bottles and the last 3 digits of a favorite receiver. 146.390 Are we messin' with anybody's repeater?

Gotta git some sillycone grease on me antenner so's I kin hear 5Z4 bet'r.

73 de Rich KB8TAD <rpost1@ohiou.edu>
for some heavy metal pix, visit
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.HTML>

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: rmccarty@deltanet.com (Roger McCarty)
Subject: Thinning out (FS)
Message-ID: <9604260324.AA12597@server1.deltanet.com>

I have the following for sale. Prices are negotiable. Offers less than my asking price will be collected and whomever comes closest to the asking price will get the equipment.

Hallicrafters SX-117 and HT-44
Sold as a pair
Units have not been tested. They are complete and condition 7 on scale of 10.
\$200

Hallicrafters SX-146 and HT-46
The receiver has been tested and needs alignment or more, poor sensitivity.
Transmitter has not been checked
Condition 7
\$250.00

Hallicrafters SX-140
Looks and works well, condition 8
\$75.00

Hammarlund HQ-110A w/clock
Appearance an 8 or 9
Low sensitivity on 80 & 160, other bands FB
\$125.00

HeathKit HR-10B and DX-60B

Sold as pair

Receiver works great, although I would look into supply regulation. VFO pulls when RF gain turned full. Transmitter has not been checked.

Condition 7

\$150.00

Viking II w/vfo 122

sold as pair

Viking 2 is mint, in and out. Completely retubed. VFO 122 works but is rough cosmetically

Viking 2 condition 10, vfo 122 condition 3

Plug and Play for \$225.00

Viking II / VFO 122 / 6N2 / 6N2 VFO

Sold as package only

Viking is mint, in and out. Completely re-tubed. Loctal plug on back changed to accept 6N2 Converter. RF, VFO filament string separated from audio string to accept 6N2. Audio modified including speech amp change and Audio driver transformer. Cap mods. All documentation. Work 160 - 2M with the change of a plug.

6N2 condition 7 outside, 10 inside. 6N2 vfo condition 8 although modified by prior owner with "standby" switch on side of cabinet.

VFO 122 works great, rough cosmetics.

Plug and Play \$325.00

Johnson SSB adaptor.

Never tested. Complete. Condition 9

\$150.00

Kenwood T-599 R-599 w/ 6 and 2 meter adaptors.

Condition 9

\$400.00

Galaxys

300 Rough, not working. Make offer

III. Works well. Make offer

V. Works well. Make offer

V Mk II. Works well. Make offer

Gt-550 (2) Works well. Make offer

GT-550A Works well. Make offer

HeathKit SB-400 SB-300

Look Great

Transmitter works perfectly. Condition 9

Receiver has LMO chirp.

Receiver case paint is beautiful, but not a perfect Heath Green.

\$250 for pair. I'll throw in an SB-102 (no tubes, no power supply)

Hallicrafters SX-101MkIIIA w/ r-46 speaker (will not sell separately) and HeathKit HO-10 Monitor scope.

Halli is Condition 9. Heath is condition 6- 7.

Halli has been wired for the HO-10 thus sold as a package only.

\$300.00

Trade offers also accepted.

Looking for 220 fm rig / 2M All mode or?

Roger KD6CC

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996

From: Steve Ellington <n4lq@iglou.com>

Subject: Re: Thinning out (FS)

Message-ID: <Pine.GS0.3.92.960426183448.19671C-1000000@iglou2>

>

> HeathKit HR-10B and DX-60B

> Sold as pair

> Receiver works great, although I would look into supply regulation. VFO

> pulls when RF gain turned full. Transmitter has not been checked.

HR-10's all seem to do that. Turn up the RF gain and cw sigs chirp like birds! Good mod bait eh? Probably an OB2 would be in order. This little rx was quite sensitive and even had an xtal filter much the same as the rx in the HW-16 transceiver.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996

From: Chuck Grandgent <k1om@world.std.com>

Subject: Re: Thinning out (FS)

Message-ID: <199604270045.AA05897@world.std.com>

> HR-10's all seem to do that. Turn up the RF gain and cw sigs chirp like

> birds! Good mod bait eh? Probably an OB2 would be in order. This little rx

> was quite sensitive and even had an xtal filter much the same as the rx in

> the HW-16 transceiver.

>

I had a HX-20 / HR-20 combo.
I ended up building a separate power supply for just the 6AU6 to cure a bad chirp.
The supply I built had a great big 10 watt resistor across the B+.
It was ROCK solid afterwards.

-Chuck, K10M, Maynard MA
k10m@world.std.com <http://world.std.com/~k10m>

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Tubes from hell
Message-ID: <199604261350.IAA13446@dlep1.itg.ti.com>

At 02:26 PM 4/25/96 -0500, Mike Knudsen wrote:
>I wonder how much of the extra ruggedness of glass tubes (as opposed to
>ceramics) comes from the operator's ability to SEE red hot plates,
>orange-glowing screen grids, blue haze, etc.

A lot. And, not just in amateur applications. I worked for a TV station 23 years ago that lost its driver transmitter after failure of one phase power to the driver cooling blower. The air pressure dropped, of course. The air pressure was metered and had pressure interlock switches, but the air pressure interlocks remained closed and the transmitter operator didn't notice anything amiss until the driver tubes (4x250's) melted which put the station off the air. It was a tremendous mess which required days to clean up. The normally 50 kW transmitter managed to get back on the air after an hour or so with less than 100 watts and remained at that level for the several days it took to repair the damage.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996

From: JOHN_SEHRING.parti@ecunet.org
Subject: TUBES FROM HELL
Message-ID: <9604262115.aa17296@pcusa01.ecunet.org>

More Tubes from Hell--

Hallicrafters HA-6 6-transverter:

5894 dual tetrode final
6CW4 nuvistor rx RF amp
6FG6 magic eye

Drake T-4 transmitters:

6JB6 sweep tube finals

Drake R-4 & R-4A receivers:

12BZ6 RF amp (BTW, the R-4B went to a 6BZ6)
6EH5 audio output (no, I don't think the 6CA5 is the perfect sub)

Availability/price is the problem I think.

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: JOHN_SEHRING.parti@ecunet.org
Subject: WEAK LINKS IN RADIOS...
Message-ID: <9604262115.aa17302@pcusa01.ecunet.org>

Hammarlund HX-50, -50A SSB exciter - Very drifty VFO; difficult to align (goes best with a sweep gen); unregulated screen voltage on final sweep tube amp; no alc ct.

National NC-183D - Spurious responses every few kHz in crowded SW bands, traced to overload in 2nd mixer. Is this a design problem?

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: knudsen@gvmail.ih.att.com
Subject: Re: Weak links in radios...Galaxy xcvs
Message-ID: <9604261634.AA05940@bock.ih.att.com>

Yes, yes, and maybe.

With tube shields, the trick is to figure out which ones are really needed for RF isolation, versus the ones that are there just to hold the tubes in the sockets (as in military and mobile gear), and which are just there

cuz the Army contract specified shields for all tubes, or the civilian Ham customer felt he was getting better quality for his money if all the tubes had shields.

The R390A shields every tube. In practice, you should pull all shields but the oscillators and mixers, and maybe those too if you aren't worried about the enemy DF-ing your local oscillators :-)

The HQ-180 shields almost everything "just in case" and to add "quality." Again, only about 5 are needed, according to a later Hammarlund errata sheet.

A good example of proper shielding is the KWM-2. An amazing number of tubes are shining forth in naked glory, leading me to believe that shields are there only when needed for RF, despite the mobile usage of this xcvr.

Yes, shiny shields do shorten tube life. If you have bayonet twist-lock bases, replace them with the IERC conductive shields, which claim to actually run the tube cooler than it would if naked.

Anyway, try pulling shields one by one till you get birdies or instability. For Field Day you might help your fellow ops by covering the oscillators and mixers. 73, mike k aa9rg

From boatanchors@theporch.com Fri Apr 26 15:40:48 1996
From: ross@hypertools.com (David Ross)
Subject: What's an RAV?
Message-ID: <199604261710.KAA17755@desiree.teleport.com>

BA fanciers -

In the ARC-5 manual, there is discussion of what other gear is usable in ARC-5 racks. The book of course mentions the SCR-274-N series and the ATA/ARA series, but also the 13.5 - 27 MCS RAT-1 series and an "RAV" series.

According to the ARC-5 book, the RAV series covers .19 to 27 MCs. Were many (or any) of these RAVs ever built? Were there RAV transmitters too? Anyone got one or any information on them?

73
Dave Ross KA6EPI ross@hypertools.com

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>
Subject: When is Starved Rock fest?

Message-ID: <MAILQUEUE-101.960426153503.416@vilas.uwex.edu>

I once hit a great hamfest in north-central Illinois and I want to go again. We always called it Starved Rock, after a nearby state park. Anybody know the date for this year?

73 Terry O' WB9GVB

From boatanchors@theporch.com Fri Apr 26 22:08:37 1996
From: "C. J. Hawley" <c-hawley@uiuc.edu>
Subject: Re: When is Starved Rock fest?
Message-ID: <31813DF0.6C43@uiuc.edu>

It's called Princeton now and it is on Sunday, June 2nd at the Bureau County Fairgrounds in Princeton, Illinois (look along I80 in the center of the state east to west).

Chuck, KE9UW

From boatanchors@theporch.com Fri Apr 26 08:43:53 1996
From: Michael Neidich <neidich@hooked.net>
Subject: WTB: Hallicrafters S-38C
Message-ID: <3180516D.5DE8@hooked.net>

Want a S-38C in top condition. State condition and asking price.

73,

Mike

K2ENN/6